ASSIM2 SPG 1-yr Smooth
b) Density decomposition

— Density   — Haline
— Density lin.   — Thermal

Density

0.40
0.20
0.00
-0.20
-0.40
-0.60

1900   1920   1940   1960   1980   2000
Years

e) Cross correlation

— Thermal
— Haline

Thermal/Haline Density leads   Density leads

Correlation

0.80
0.40
0.00
-0.40
-0.80

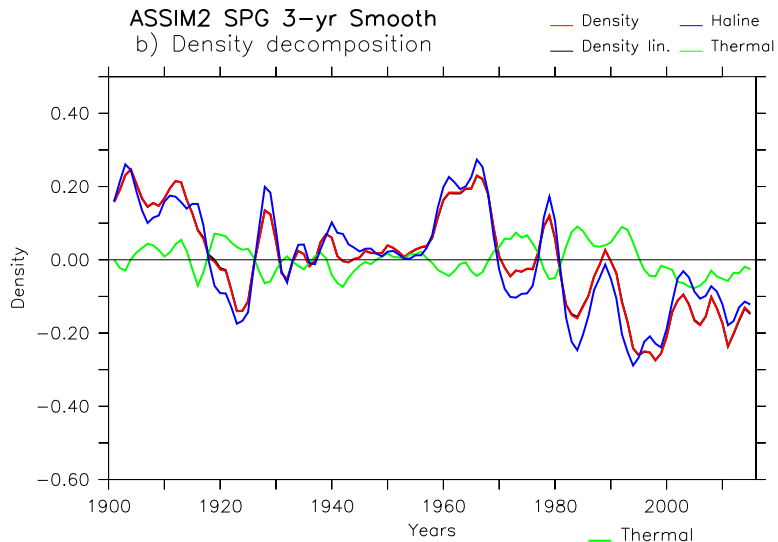-12   -8   -4   0   4   8   12
Year of shift
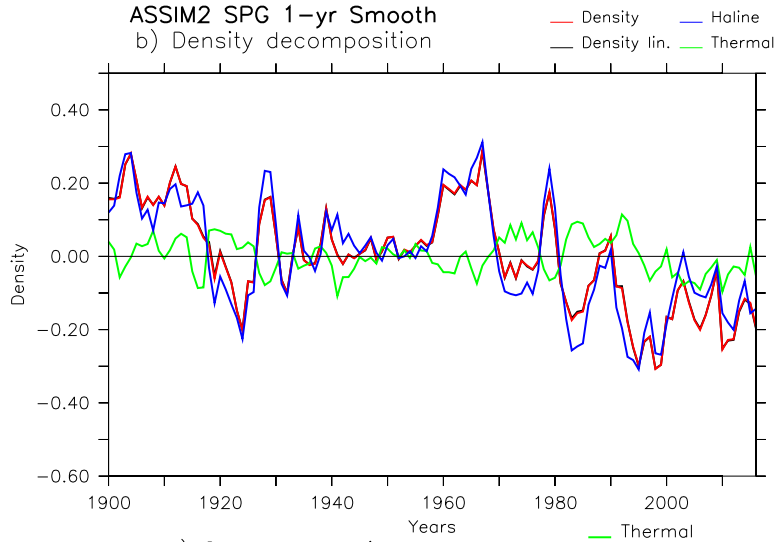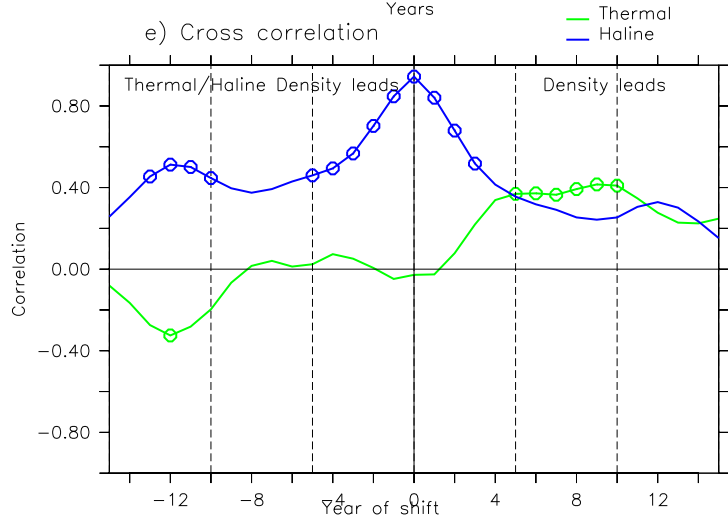
ASSIM2 SPG 3-yr Smooth
b) Density decomposition
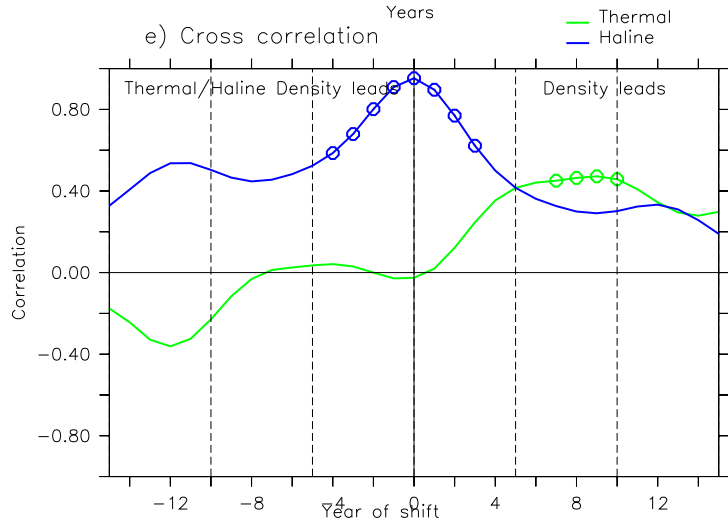
— Density   — Haline
— Density lin.   — Thermal

Density

0.40
0.20
0.00
-0.20
-0.40
-0.60

1900   1920   1940   1960   1980   2000
Years

e) Cross correlation

— Thermal
— Haline

Thermal/Haline Density leads   Density leads

Correlation

0.80
0.40
0.00
-0.40
-0.80

-12   -8   -4   0   4   8   12
Year of shift

ASSIM2 SPG 5-yr Smooth

Density — Haline —
Density lin. — Thermal —

b) Density decomposition

Thermal —
Haline —

e) Cross correlation

Thermal/Haline Density leads   Density leads
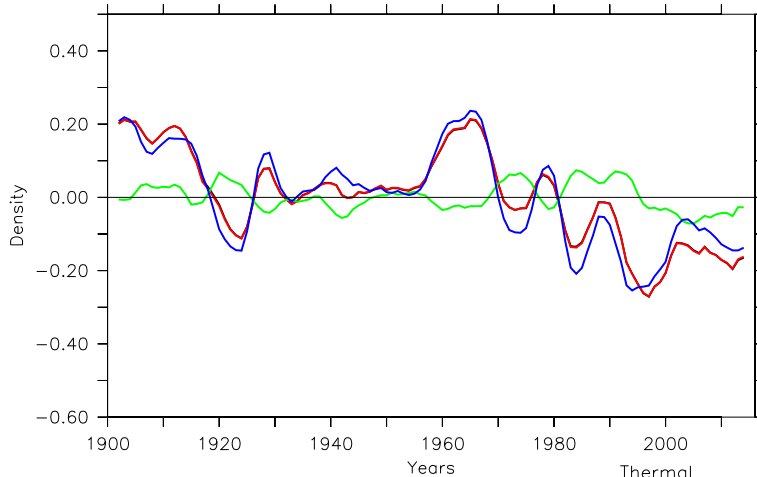
ASSIM2 MN 1-yr Smooth

Density — Haline —
Density lin. — Thermal —
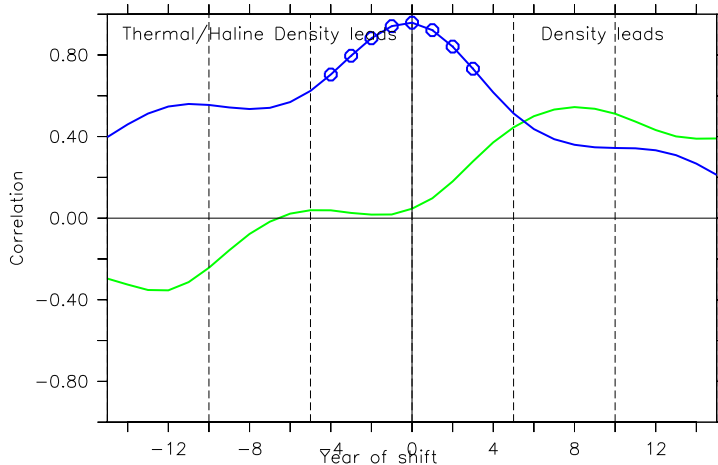
b) Density decomposition

Thermal —
Haline —

e) Cross correlation
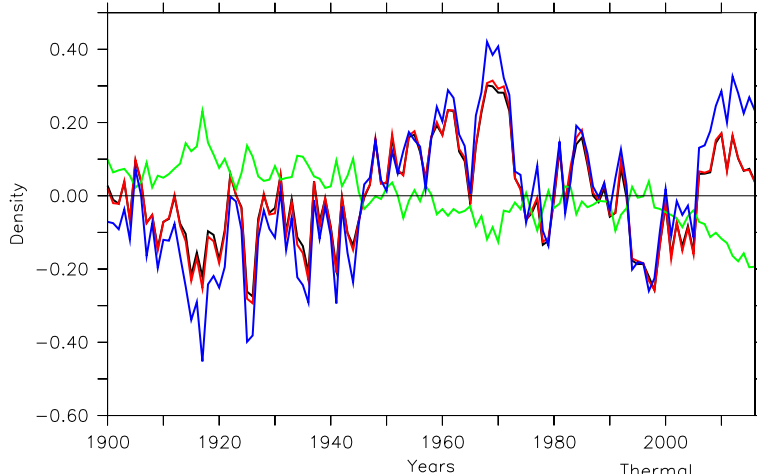

Thermal/Haline Density leads   Density leads
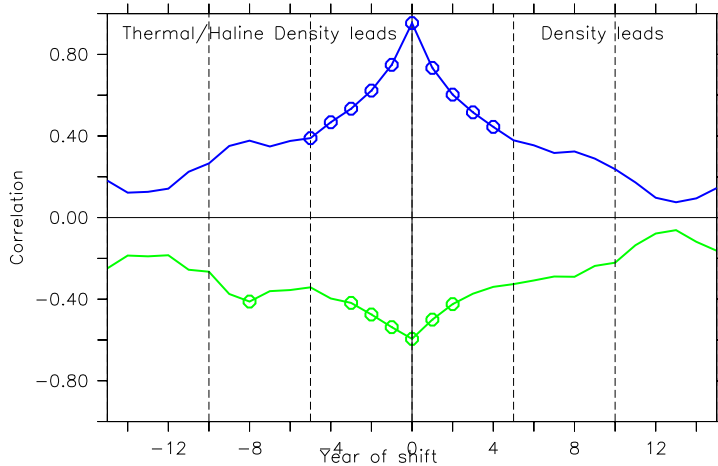
ASSIM2 MN 3−yr Smooth

b) Density decomposition

Density — Haline —
Density lin. — Thermal —

e) Cross correlation

Thermal — Haline —

Thermal/Haline Density leads   Density leads
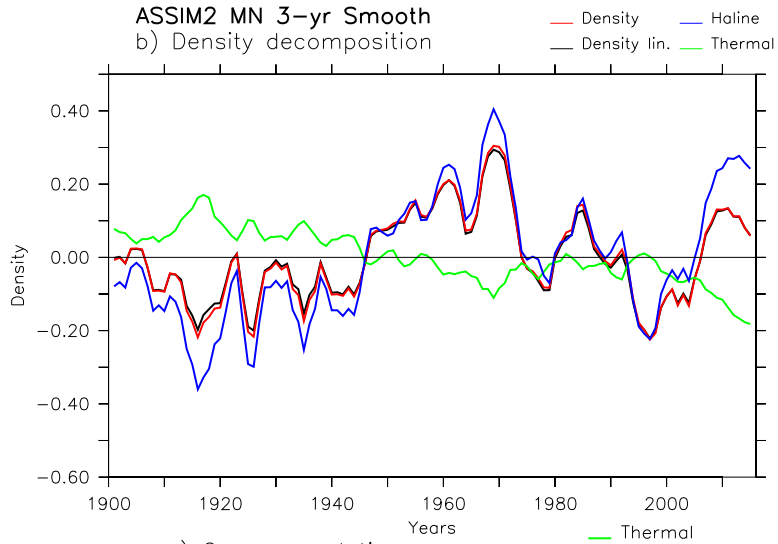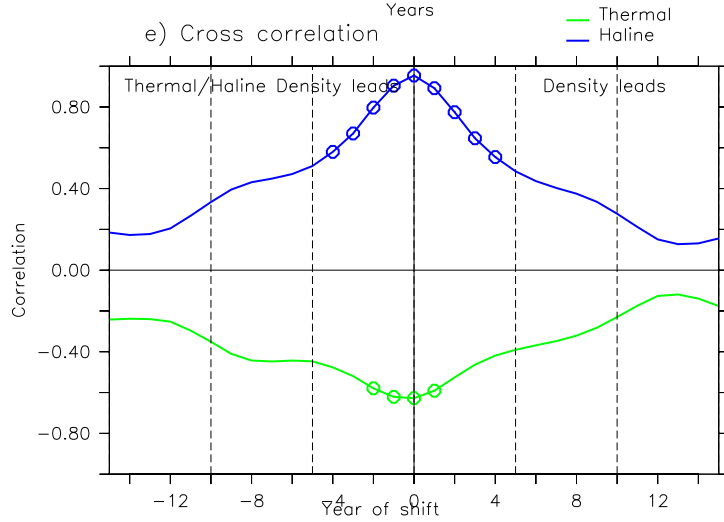
ASSIM2 MN 5−yr Smooth

b) Density decomposition

Density — Haline —
Density lin. — Thermal —

e) Cross correlation

Thermal — Haline —

Thermal/Haline Density leads   Density leads